

RE: Marysville

Brattin, Bill to: Benson.Bob

05/04/2012 12:08 PM

From: "Brattin, Bill" <brattin@srcinc.com>

To:

There are only 168 workers from the Table 3 (N = 434) that have HRCT data.

Of these, 86 have discrete pleural thickening; prevalence is $86/168 = 51\%$

For the X-ray data in table 3, prevalence is $61/434 = 14\%$.

I am pretty sure these two data sets are not comparable.

Were HRCTs only done on selected people?

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From: Bob Benson [Benson.Bob@epamail.epa.gov]

Sent: Friday, May 04, 2012 11:29 AM

To: Brattin, Bill

Cc: David Berry

Subject: Fw: Marysville

On second thought the spreadsheet for 1980 only has exposure information to 1980. Perhaps the merged and selected data set would be better.

(See attached file: Table 3 Selected Data REVISED.xls)

----- Forwarded by Bob Benson/R8/USEPA/US on 05/04/2012 11:26 AM -----

From: Bob Benson/R8/USEPA/US

To: brattin@srcinc.com

Cc: David Berry/R8/USEPA/US@EPA

Date: 05/04/2012 11:21 AM

Subject: Marysville

Here are the new HRCT data from UC (191 workers). There are 22 individuals in this data set that did not participate in the 2002-2005 study (Rohs et al. 2008).

(See attached file: UC HRCT 01032012.xlsx)

Please merge this new data with the data from the original 513 workers. Use the "table 1 corrected" workbook. The ID# are the same for each in the two data sets. I am hoping there is an Excel function that will do this and anyone who did not participate in the HRCT scans will have a blank for the health effect columns from the HRCT scans, but we wont lose any rows.

(See attached file: Table 1 1980 data REVISED.xlsx)

Assuming the merger is successful, delete all with prior exposure to asbestos and run the CumNormMM model using unlagged exposure and time from first exposure as 70 years for the HRCT result of discrete pleural to get BMC and BMCL. I am interested in comparing BMCLs from x-ray and HRCT, but I only want a verbal answer at this point. BMCL from x-ray data at 70 years was 0.0042 fibers/cc-yr.